

## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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SECURITY INFORMATION

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COUNTRY Yugoslavia

REPORT

SUBJECT The "Vlade Bogat" Precision Instrument Factory, Zadar

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1. The "Vlade Bogat" Precision Instrument Factory, a military enterprise, is located in Zadar in the old section of the town, opposite the "Vladimir Nazor" park. Construction of an extension to the factory was initiated during 1950 at Planina, between Turanj and Bokanjac.<sup>1</sup> Foundations had already been completed when the construction was halted on 1 May 1952. The construction work on this extension will reportedly be suspended for three years, until a decision is reached as to whether the factory should continue at Zadar or be transferred to Split.
2. The factory is constantly visited by military commissions composed of air force, navy and antiaircraft officers. The following individuals have been identified as members of the executive staff at the "Vlade Bogat" Factory:
  - a. Lieutenant Colonel Branko Perisa, general manager;
  - b. Captain Aco Sturovic, Business manager, who has been appointed to the Advanced Military Academy at Sarajevo. His replacement, an unidentified engineer from Zagreb, has already arrived at the factory;
  - c. Cedomir Gavrilovic, former military officer, secretary;
  - d. Lieutenant Ivica Satran, head of the UDB staff at the factory;
  - e. Captain Branko Stepacic, member of the UDB staff;
  - f. Captain Rade Culibrk, member of the UDB staff;
  - g. Zivota Markovic, secretary of the Communist cell at the factory;
  - h. Stjepan Slibar, military official;

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- j. Matilda Drazic, military official;
  - k. Justica Gal, military official;
  - l. Ana Dukic, military official; and
  - m. Molnar (fnu), military official.
3. The various departments and their respective personnel at the factory have been described as follows:
- a. Construction and prototype shop, to which are attached:
    - (1) Engineer Rista Miletic, manager;
    - (2) Vinko Radic, technician;
    - (3) Ivan Mstrovic, technician;
    - (4) Dusan Kulezevic, technician; and
    - (5) Ljudevit Ros, manager of the prototype shop.
  - b. Electrical laboratory, to which are attached:
    - (1) Dr. Milan Vidmar, an engineer, as manager. 25X1
    - (2) Three unidentified technicians.
  - c. Technical service, to which are attached:
    - (1) Engineer Momcilo Stanojevic, manager; and
    - (2) Eight unidentified technicians.
  - d. Tool construction and material preparation shop;
  - e. "Technological process" shop, to which are attached:
    - (1) Engineer Filaus, a former naval officer, manager;
    - (2) Three unidentified technicians; and
    - (3) Three unidentified industrial experts.
  - f. Production department, in charge of Franc Zurman, comprises the following shops:
    - (1) Lathe shop, which employs some 30 workers and operates on two different eight-hour shifts, is equipped with four turret lathes for serial production; nine lathes in a very bad state of repair; five milling machines; one automatic drilling machine and tool grinding machine. The foreman of the lathe shop is Vlado Mracic, and the assistant foreman Petar Milic. Production of this shop includes basic parts for navigation instruments, artillery fuses and torpedo aiming devices;

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- (2) Tool shop, which employs some 15 workers under the control of Ivan Buljan, foreman; operates on a single eight hour shift. The tool shop is equipped with two lathes, two shaping machines, one drilling machine, one rotary grinder, one horizontal grinder, one tool grinding machine, one special pantograph, and one tin plating machine

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- (3) Assembly shop, which employs 20 workers, and is under the direction of Karlo Vak, foreman; operates on a single eight hour shift. The assembly shop is equipped with two pantographs, five grinders, one special grinder and one drying furnace. This shop is engaged in assembling of inclinometers, speed measuring instruments, various types of compasses, parallel blocks, "Teinoc" signal lamps, heliographs, sextants, wireless relays, fire control instruments (plans are being drawn up for the production of fire control instruments for the destroyer TRIGLAV - 51), and fuses of the following types:

- (a) Type P.P.U., used for ground mines. The box shaped steel container is produced at the "Edvard Kardelj" Turbine Factory in Karlovac;
- (b) Type D.V.U.G., used for mines and artillery shells. The parts for these fuses are produced at a machine factory in Zagreb; and
- (c) Four or five other types of fuses, on which details are lacking.

- (4) Engine shop, with a staff of 18 workers under the direction of Nikola Drazic, foreman; is equipped with one 80,000 kilogram eccentric press, one 50,000 kilogram punching machine, constructed at the Ivo Lola Ribar Machine Tool Factory in Zeleznik near Belgrade; one spring-making machine, an unspecified number of metal processing machines, and other unspecified equipment. The engine shop is engaged in the production of compass lids, springs, etc.; the repair of machinery for the entire plant and the punching and pressing of material; and

- (5) Foundry. Only one furnace is in operation at present, although three new furnaces have recently arrived and are presently in the process of installation.

4. The following production targets were set at the factory for the third quarter of 1952 (ending on 1 October 1952):

- a. 100 parallel blocks, which were completed on 1 August 1952;
- b. 15,000 D.V.U.G. fuses. Production of these fuses is being held up owing to the lack of urgently needed springs
- c. 15,000 P.P.U. fuses, production of which is proceeding normally, inasmuch as there is no shortage of necessary materials;
- d. 200 "Teinoc" signal lamps, production of which is proceeding normally since essential materials are available; and
- e. 200 "direction plates" (sic), production of which is proceeding according to plan.

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5. The quality of finished products at the factory is below average. Goods produced are very costly and their disposal presents some difficulty. This is due to poor machinery, lack of skilled labor and superior raw materials. Castings are produced in the factory foundry. Of a series of 25,000 compasses cast only 500 were found to be satisfactory, the remaining compasses were porous and brittle. Navigation compasses are presently being produced from "NS-58" brass. Nickel plating and polishing is now done in the factory, although previously it was done by the "Rikardo Bencic" Enterprise at Rijeka. The greater part of the factory and its machinery and installations are outmoded. A few machines, including two lathes,

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6. There are very few skilled workers at the factory despite the fact that all the workers have attended the industrial school attached to the plant. Only six of the earlier workers are still attached to the plant; these individuals have been promoted to executive positions. Work norms are very high and are seldom achieved. Monetary fines imposed on the workers for failure to meet the required norms creates much dissatisfaction among them.
7. The industrial school attached to the "Vlade Bogat" Precision Instrument Factory is directed by Ante Mikulincic, a former shop foreman. The staff of instructors includes 15 engineers and technicians from the factory. The subjects taught at the school are: technology, mathematics, administration, chemistry, physics, calculation, organization, machinery, Yugoslav history and the Yugoslav constitution. Until 1950 only an elementary school education was required for admission to the industrial school; however, admission standards were raised during 1951. In order to be admitted to the school now, candidates must have completed four years of study at a secondary school. Since 1952, the school has been opened to girl students as well as to men.

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